

For Research Use Only

# UGP2 Recombinant monoclonal antibody, PBS Only

Catalog Number: 86699-1-PBS

Featured Product



## Basic Information

Catalog Number:

86699-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0590

GenBank Accession Number:

BC002954

GeneID (NCBI):

7360

UNIPROT ID:

Q16851

Full Name:

UDP-glucose pyrophosphorylase 2

Calculated MW:

56 kDa

Observed MW:

50-56 kDa

Purification Method:

Protein A purification

CloneNo.:

251615C1

## Applications

Tested Applications:

WB, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat

## Background Information

UDP-glucose pyrophosphorylase 2 (UGP2, synonyms: UDPG, UGPP2, UDPGP2, Phc379) is an important intermediary in mammalian carbohydrate interconversions. It transfers a glucose moiety from glucose-1-phosphate to MgUTP and forms UDP-glucose and MgPPi. In liver and muscle tissue, UDP-glucose is a direct precursor of glycogen; in lactating mammary gland it is converted to UDP-galactose which is then converted to lactose. So far two isoforms are encoded by two transcript variants have been found.

## Storage

Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

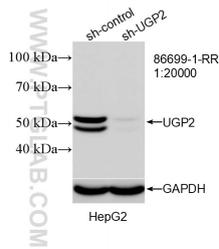
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

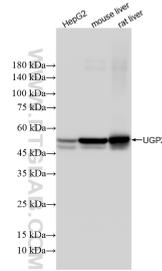
W: [ptgcn.com](http://ptgcn.com)

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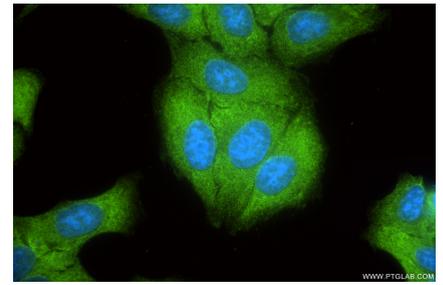
## Selected Validation Data



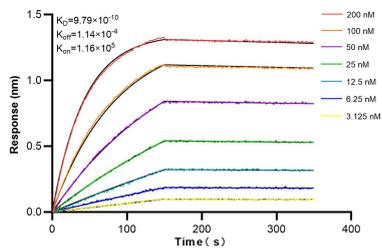
WB result of UGP2 antibody (86699-1-RR; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-UGP2 transfected HepG2 cells. This data was developed using the same antibody clone with 86699-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 86699-1-RR (UGP2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86699-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using UGP2 antibody (86699-1-RR, Clone: 251615C1) at dilution of 1:600 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 86699-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86699-1-RR against Human UGP2 were performed. The affinity constant is 0.979 nM.